

What is claimed is:

1. An isolated nucleic acid molecule comprising a nucleotide sequence that encodes SEQ ID NO: 6.
2. The isolated nucleic acid molecule of claim 1, wherein said nucleic acid molecule comprises the nucleotide sequence set forth in SEQ ID NO: 5.
3. A chimeric gene comprising a heterologous promoter sequence operably linked to the nucleic acid molecule of claim 1.
4. A recombinant vector comprising the chimeric gene of claim 3.
5. A transgenic host cell comprising the chimeric gene of claim 3.
6. An isolated polypeptide having trichothecene resistance activity, wherein said polypeptide is encoded by the nucleic acid molecule of claim 1.